McCAIN ATC eX NEMA CONTROLLER

The McCain ATC eX NEMA Controller is an advanced, multi-application controller that simultaneously supports multiple software applications through a single platform. Designed in full compliance with NEMA TS 2 and ATC 5.2b standards, the ATC eX NEMA Controller provides revolutionary exibility and control. Best of all, the single ATC eX compliant housing can be congured for either TS 2 Type 1 or TS 2 Type 2 applications and is backward compatible with TS 1. This allows end users to upgrade existing intersections to a modern, high-performance platform without replacing cabinet hardware.

KEY BENEFITS

- Compliant with NEMA and ATC 5.2b standards
- Powerful CPU and generous memory configurations
- Multi-tasking ability minimizes the amount of hardware required at intersections
- Robust, open-architecture Linux platform supports application software from multiple vendors
- Wide variety of communication options for connectivity in any environment
- Multiple configuration options include NEMA TS 1, TS 2 Type 1, and TS 2 Type 2

PRODUCT DESCRIPTION

The McCain ATC eX NEMA Controller is a revolutionary, multi-application controller.

The ATC eX NEMA Controller features a wide variety of communication options, including a standard 3-port hardened switch, 4 USB ports, serial, and Ethernet for secure connectivity in any kind of environment. Quick data transfers, rmware upgrades, and log retrievals can be done via USB.

Each controller is built to McCain's stringent, high-quality manufacturing standards, ensuring long-lasting performance in all environments.

The controller's Linux operating system provides a robust, exible, open-architecture platform that can support application software from multiple vendors.

McCAIN ATC eX NEMA CONTROLLERS

STANDARD FEATURES

Operating System
• Linux

Microprocessors
• Freescale PowerQUICC II Pro microprocessor

Memory
• 16MB Flash memory
• 128MB DDR RAM (expandable)
• 2MB Non-volatile SRA

Backup real-time clock (RTC)

Available Standards
• NEMA TS 2-2003 v2.06
• ATC 5.2b
• NTCIP 1201, 1202 and applicable base standards

GENERAL SPECIFICATIONS

Style:	TS 2 Type1, TS 2 Type 2
Dimensions:	TS 2 Type 1: 7" H x 10" W x 10.5" D TS 2 Type 2: 10" H x 10" W x 10.5" D (rounded to the nearest 0.1")
Form Factor:	Shelf mount configuration
Power:	89 VAC to 135 VAC, 60 Hz (± 3 Hz)
Environment:	Operating Temperature: -37° C to +74° C Humidity: 0 to 95% (non-condensing)
Weight:	TS 2 Type 1: 7 lbs TS 2 Type 2: 10 lbs

INTERFACES

Communication Interfaces
• SDLC ports (2) including SP3 routed to NEMA TS 2 Port 1
• Serial (asynchronous) on front panel (3)
• Serial (asynchronous) on 2070 compatible modem slot (2)
• ENET 1: 100 Base-T Ethernet switch, 1 uplink, and 3
• additional ports
• ENET 2: 100 Base-T Ethernet port dedicated for local
• communications (i.e. laptop or similar)
• USB ports (4)

Front Panel Interfaces
• Display: 16 lines x 40 characters
• Keyboard: 7 x 4 keypad (28 key)

Cabinet Interfaces
• NEMA TS 2 Type 1 Port 1 (SDLC)
• NEMA TS 2 Type 1 A connector
• NEMA TS 2 Type 2 A, B, C and D connectors

SOFTWARE

Compatible with McCain's Omni eX® Intersection Control Software (see separate data sheet for details).

OPTIONS

• Custom D connectors
• International Input Voltage: 190VAC to 253VAC, 50 Hz
• (± 3 Hz)
• 256MB DDR memory expansion

Available Standards
• Various communication modules (2070 form factor)
• GPS Module

[1]Dimensions rounded to the nearest inch

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